

[CLAIMS]

1. An aroma emitting apparatus for using a cigar-jack characterized by:
a main plug body having one end formed with a road portion inserted to the
cigar-jack for electrical connection, and a plurality of plates oppositely installed to an
outer circumference of the main plug body for being fixed to the cigar-jack;
an auxiliary plug body capable of adjusting a length of the main plug body by
using a length control bolt;
a rotating member connected to an end of the auxiliary plug body, and rotated
in accordance with an angle of inserting the main plug body into the cigar-jack to
maintain a horizontal state;
a cartridge installed to a lower portion of the main plug body, and having a
filter externally protruding from the inside the cartridge;
angle adjusting means for connecting the main plug body to the rotating
member and controlling a rotating angle;
open/close means mounted within the rotating member for controlling
opening/closing of a fragrance exhaust;
switching means mounted within the rotating member for performing an
ON/OFF operation to electrically connect to the road portion;
heating means internally formed within the rotating member and selectively
supplied with a power source in accordance with the ON/OFF operation of the
switching means for thereby being heated to evaporate liquid within the cartridge;
and
holding means having one end with a fixing portion coupled to the rotating
member or the cartridge, and the other end with a gripping portion for firmly holding a
predetermined frame.

2. (amended)The apparatus of claim 1, wherein the rotating member is
characterized by a coupling portion formed to a lower portion thereof capable of
being loaded with the cartridge, the fragrance exhaust formed in an upper portion
thereof, and one end formed with a knob mounted for manipulating the
opening/closing of the fragrance exhaust, a rear end installed with a display window
of a light emitting diode, and the connector formed to a side plane coupled with the
auxiliary cigar-jack; and

the cartridge including a container screw-coupled to the coupling portion, a lid, and a filter.

3. (amended) The apparatus of claim 1, wherein the angle adjusting means is characterized by a tension rib formed along an end surface of the main plug body, and an indent portion formed along an end surface of the rotating member corresponding to a projecting portion of the tension rib.

4. (amended) The apparatus of claim 1, wherein the angle adjusting means is characterized by a bendable folding shape.

5. (amended) The apparatus of claim 1, wherein the angle adjusting means is characterized by at least one indent portion formed along the end surface of the main plug body, and a ridge portion formed along an end surface of the rotating member corresponding to the indent portion.

6. (amended) The apparatus of claim 1, wherein the heating means is characterized by:

a printed circuit board installed within the rotating member for supplying the power source in accordance with the ON/OFF operation of the switching means, and having a light emitting diode for displaying the supply of the power source and having the connector for supplying the power source to the auxiliary cigar-jack; and a PTC device installed on the printed circuit board for evaporating liquid permeating in the filter of the cartridge.

7. (amended) The apparatus of claim 1, wherein the heating means is characterized by:

a printed circuit board installed within the rotating member for supplying the power source in accordance with the ON/OFF operation of the switching means, and having a light emitting diode for displaying the supply of the power source and having the connector for supplying the power source to the auxiliary cigar-jack; and a plurality of stripe resistors installed on the printed circuit board for evaporating liquid permeating in the filter of the cartridge.

8. (amended) The apparatus of claim 1, wherein the open/close means is characterized by:

an open/close member of the fragrance exhaust installed within the rotating member and having one side with a rack structure;

5 a pinion coupled to the rack of the open/close member; and

an operative knob connected to a central shaft of the pinion for operating the open/close member.

9. (amended) The apparatus of claim 1, wherein the open/close means of the fragrance exhaust is characterized by:

10 an open/close member installed within the rotating member and having at least one rib as a stopper at one side surface;

an eccentric cam with an operating distance adjustable by a combination with the rib as a stopper of the open/close member; and

15 an operative knob connected to a rotating shaft of the eccentric cam for operating the open/close member.

10. (amended) The apparatus of claim 1, wherein the open/close means of the fragrance exhaust is characterized by:

20 an operative knob for operating the open/close member by interrelating with a slide switch on the PCB installed within the rotating member.

11. (amended) The apparatus of claim 1, wherein the length control means is characterized by a plurality of screw coupling portions where the main plug body is coupled with the auxiliary plug body, and a length control bolt.

12. (amended) An aroma emitting apparatus for using a cigar-jack characterized by:

30 a main plug body having one end formed with a road portion inserted to the cigar-jack for electrical connection, and a plurality of plates oppositely installed to an outer circumference of the main plug body for being fixed to the cigar-jack;

an auxiliary plug body capable of adjusting a length of the main plug body by using a length control bolt;

a rotating member connected to an end of the auxiliary plug body, and rotated in accordance with an angle of inserting the main plug body into the cigar-jack to maintain a horizontal state;

5 a cartridge installed to a lower portion of the main plug body, and having a filter externally protruding from the inside the cartridge;

angle adjusting means for connecting the main plug body to the rotating member and controlling a rotating angle;

open/close means mounted within the rotating member for controlling opening/closing of a fragrance exhaust;

10 switching means mounted within the rotating member for performing an ON/OFF operation to electrically connect to the road portion;

heating means internally formed within the rotating member and selectively supplied with a power source in accordance with the ON/OFF operation of the switching means for thereby being heated to evaporate liquid within the cartridge;

15 holding means having one end with a fixing portion coupled to the rotating member or the cartridge, and the other end with a gripping portion for firmly holding a predetermined frame; and

20 a rotatably formed auxiliary cigar-jack having one end coupled with a connector of a PCB for being supplied with the power source, and the other end capable of receiving an cigar-jack item.

13. (amended) The apparatus of claim 12, wherein the auxiliary cigar-jack unit is characterized by:

a connector of the PCB at one end; and

25 a structure movable up and down and capable of receiving a cigar-jack item.